

IN THE SPECIFICATION:

Page 1, line 5, insert the following topic headings:

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

The present invention relates to a photosensitive dispersion with adjustable viscosity for depositing metal on an insulating substrate and use thereof.

Page 1, line 8, insert the following topic heading:

THE PRIOR ART

The patent EP 0 687 311 of the applicant concerns a polymeric resin with adjustable viscosity and pH for depositing catalytic palladium on a substrate, comprising, in combination, a palladium salt, a sequestering agent of the chloride or carboxylic acid type, a polymer containing hydroxyl and/or carboxyl groups soluble in water, a basic compound and a solvent chosen from amongst water, methanol and ethanol, the pH value being between 1 and 10, and to its applications for the deposition of catalytic palladium on the substrate surface and for the metallisation of these surfaces. Although this type of polymeric resin with palladium has proved advantageous in a large number of applications in the metallisation of polymeric substrates and the like, in particular because of its stability over time and the adjustability of its viscosity and pH, it does however have a certain number of drawbacks, including the obligatory

use of palladium, which is a noble metal that is both expensive and whose price fluctuates greatly on the market, and the obligatory passage through an autocatalytic (electroless) bath for the metallisation of the non-conductive substrate and also because of the fact that the photosensitivity of the resin is reduced to a narrow range of wavelengths lying between 190 and 300 nm, thus greatly limiting the type of application that can be envisaged and the radiation source that can be used in this regard.

Page 2, line 11, insert the following topic heading:

SUMMARY OF THE INVENTION

To this end, according to the invention, the photosensitive dispersion comprises, in combination, a pigment conferring properties of oxidation-reduction under light irradiation, a metallic salt, a sequestering agent for the metallic salt, a liquid film-forming polymeric formulation, a basic compound, an organic solvent and water.

Page 9, line 23 to page 10, line 14, replace the paragraphs and Table with the following amended paragraphs and Table.

Example 2

Catalytic paint with copper for the metallisation, selective or not, of a polymer substrate.

Composition of the dispersion	Concentration as % by weight
Titanium dioxide as finely divided powder	5 to 25
Dioxane	10 to 30
2-methoxy-1-methylethyl acetate	25 to 40
Mixture of dipropylene glycol methyl ether isomers	1 to 15
Disperse-ayd® w33 1)	0.2 to 2
Joncryl® 537 2)	5 to 25
Mixture of tripropylene glycol methyl ether isomers	1 to 5
Dapro ® u99 3)	0.25 to 1
Palladium-Copper (II) chloride (metallic salt)	0.05 to 1
Citric Acid (sequestering agent)	0.1 to 1
Ammonia (base)	0.1 to 1
Deionised water	1 to 15

- 1) Dispersing agent manufactured by Elementis: mixture of non-ionic and anionic surface-active agents in water.
- 2) Film-forming acrylic polymeric emulsion, manufactured by Johnson Polymer, registered trade mark.
- 3) Wetting agent manufactured by Daniel Products: silicon-free interface tension modifier.

The same procedure as in Example 1 is followed. The result is the deposition of a catalytic ~~palladium-copper~~ layer, selective or not. In the case of a selective metallisation, the non-irradiated parts are solubilised in water. A metallic overloading by electroplating is then made possible.